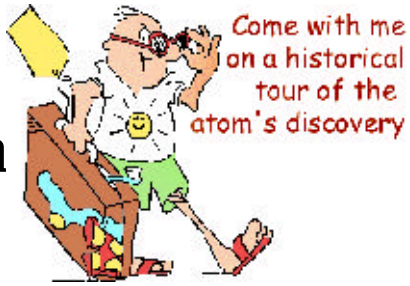
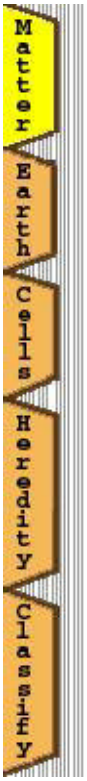
Ask Grandpa





Timeline Activity

Core Standards of the Course

TOPIC: Structure of Matter

STANDARD: 3200 - 01

Students will evaluate the particulate nature of matter.

PURPOSE:

OBJECTIVES:

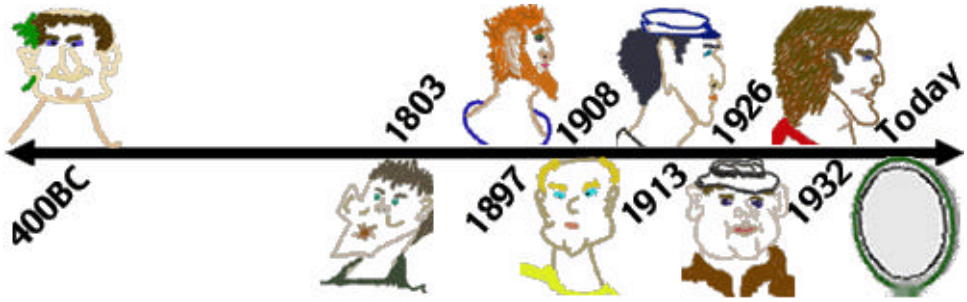
3200-0101

- Analyze evidence about particles of matter.
- Summarize experimental research indicating matter is made of particles.

Intended Learning Outcomes:

1.c. Use reference sources to obtain information (library data bases, handbooks, encyclopedias, etc.)
2.b. Formulate research questions and hypotheses.
3.b. Voluntarily read books and articles about science with understanding appropriate to grade level.
4. Demonstrate Awareness of the Social and Historical Aspects of Science.
4.c. Appreciate the challenges faced by scientists in the past and respect the contributions these men and women have made to advancing science and technology.
4.f. Recognize the interdependence of science, technology, and society.
7.i. Understand that what is accepted as "scientific truth" is determined by consensus among competent researchers within a scientific community.

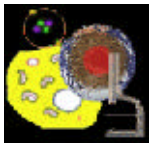
Click on any cartoon image below to learn more about each individual's contribution to the discovery of the atom.



Extended learning activity:

Have students use available resources to research the scientists represented in the tour above.

1. What did they really look like?
2. What details about their experience with the atom and matter was not included in this tour?
3. Were there errors in the "telling" of their experience?
4. What else did you learn from your research?



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Updated June 14, 2000 by: Glen Westbroek

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